Speaker Kit

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INTRODUCTION

This guide shows how to replace the Speakers in your Framework Laptop 16, make sure not to skip the last step of reinstalling the Framework Driver bundle as this will calibrate the newly installed Speaker Kit.

TOOLS:

- Framework Screwdriver (1)

PARTS:

- Speaker Kit (Framework 16) (1)

Step 1 — Before you begin



- Unplug all cables and fully shut down your laptop.

Step 2 — Unlock the Input Modules







- Use your fingernail to pull out the two Input Module latches and unlock them.
  - ⓘ The latch will show red if it's unlocked.

Step 3 — Remove the Touchpad Spacers





- Use your fingers to slide the Touchpad Spacer toward the bottom edge of the laptop and unclip it.
  - ⓘ If you're having trouble, check if the corresponding Input Module latch is properly unlocked.
- Lift the Touchpad Spacer off the laptop and remove it.

Step 4





- Repeat the same procedure for the other touchpad spacer.

Step 5 — Remove the Touchpad Module





- Use your fingers to slide the Touchpad Module toward the bottom edge of the laptop and disconnect it.
  - ⓘ If you're having trouble, check if the Input Module latches are properly unlocked.
- Lift the Touchpad Module and remove it.

Step 6 — Remove the keyboard





- ⓘ The keyboard is held in place with strong magnets. Apply gradually increasing force to avoid having the keyboard violently eject.
- Grip the two pull tabs along the bottom of the keyboard and lift until its magnets release.
- Remove the keyboard.

Step 7 — Remove the Input Modules

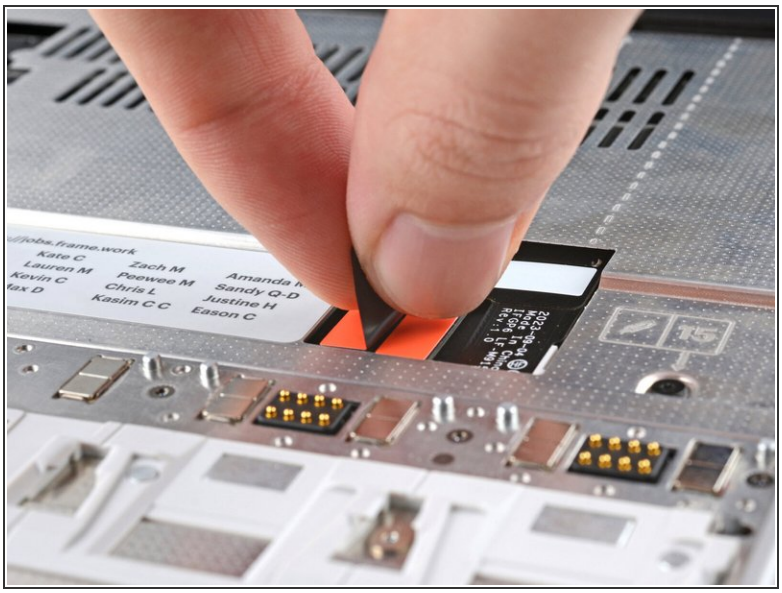
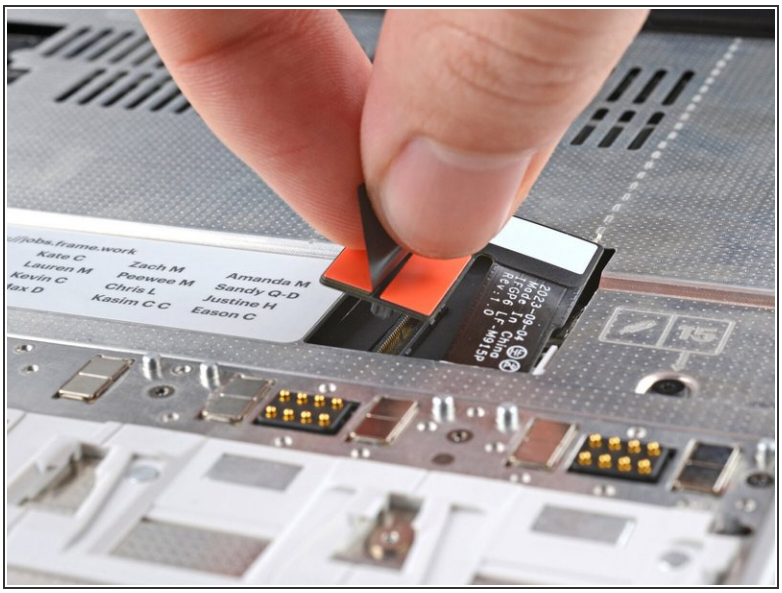




ⓘ Your Input Module(s) might be different, but the procedure to remove them is the same.

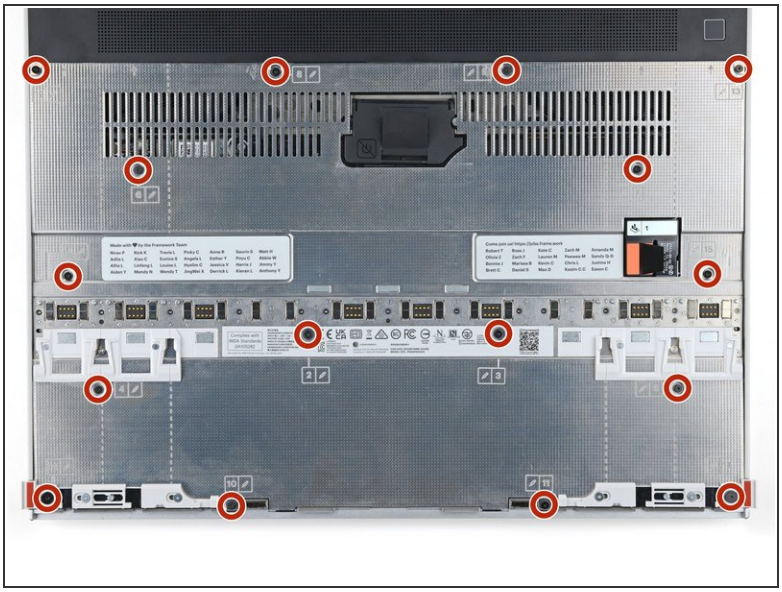
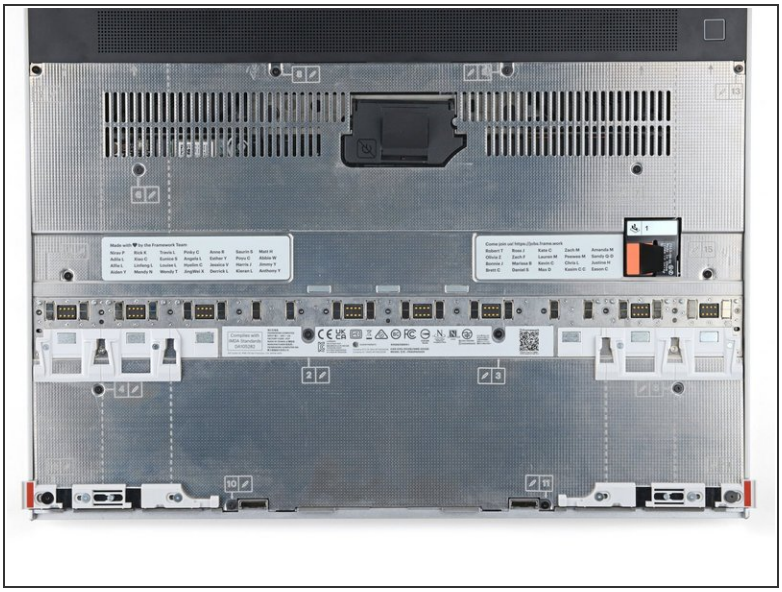
- Grip the pull tab at the bottom of the Input Module and lift until its magnets release.
- Remove the Input Module.
- Repeat for any remaining Input Modules.

Step 8 — Disconnect the Mid Plate cable

- Grip the black pull tab on the Mid Plate cable press connector and lift up to disconnect it.

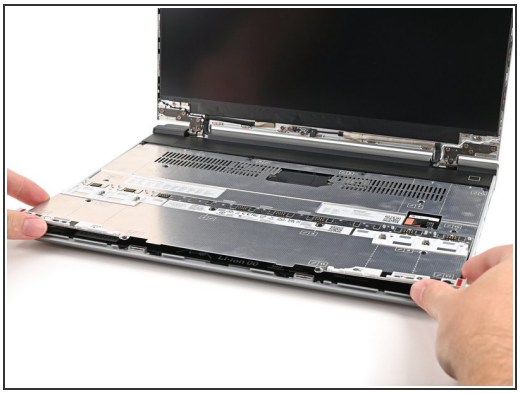
Step 9 — Loosen the Mid Plate screws

ⓘ The Mid Plate screws are ordered from 2–17 (number 1 is the press connector). You don't have to follow the order, but you can use it to help keep track of the screws you've loosened.

- Use your Framework Screwdriver to loosen the 16 captive T5 Torx screws securing the Mid Plate.

Step 10 — Remove the Mid Plate





- Use your fingers to lift the Mid Plate off the laptop and remove it.

Step 11 — Loosen the battery screws



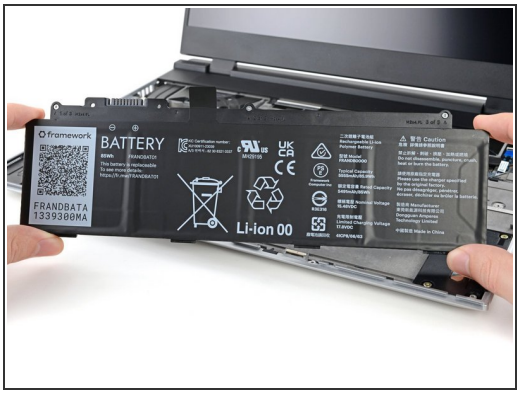


- Use your Framework Screwdriver to loosen the three captive T5 Torx screws securing the battery.

Step 12 — Remove the battery

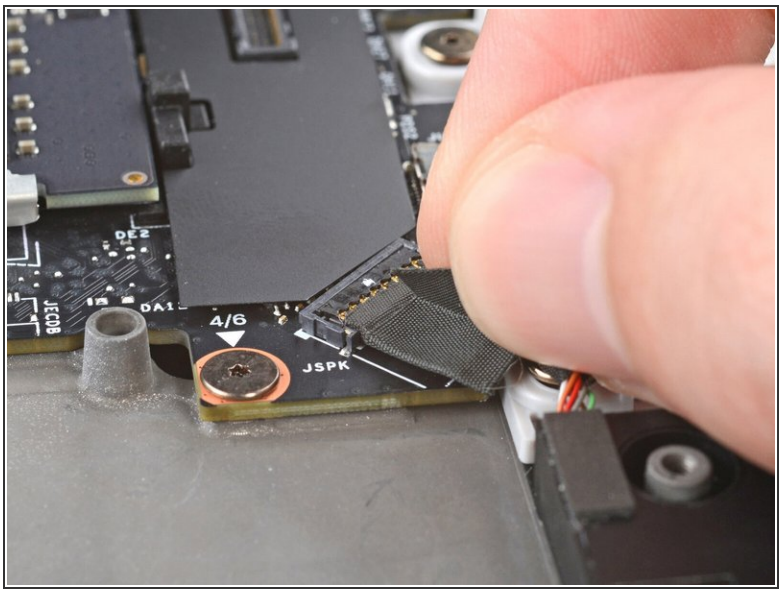


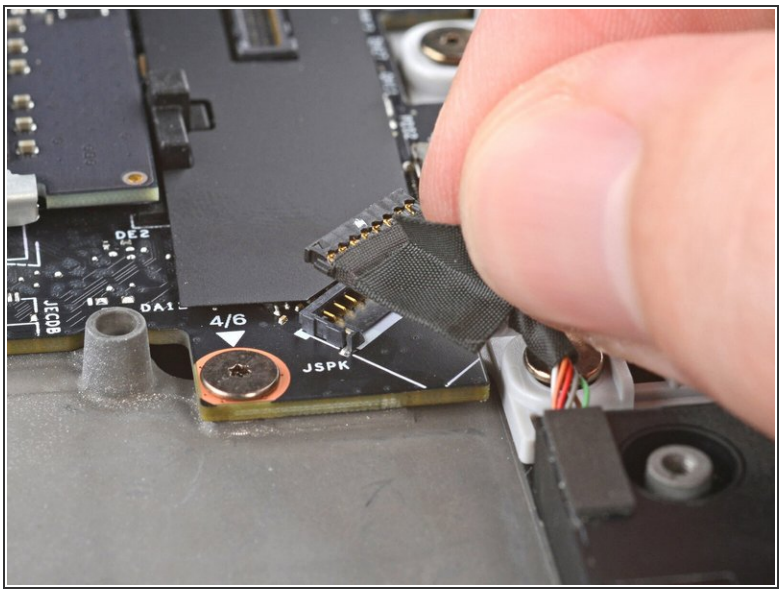




- Grip the black pull tab at the top of the battery and lift to disconnect the battery connector.
- Remove the battery.

Step 13 — Disconnect the speaker

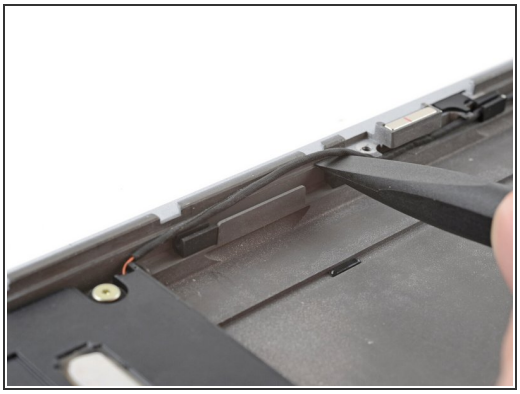




- Lift the speaker cable connector by its black pull tab and disconnect it.

Step 14 — Reroute the speaker cable



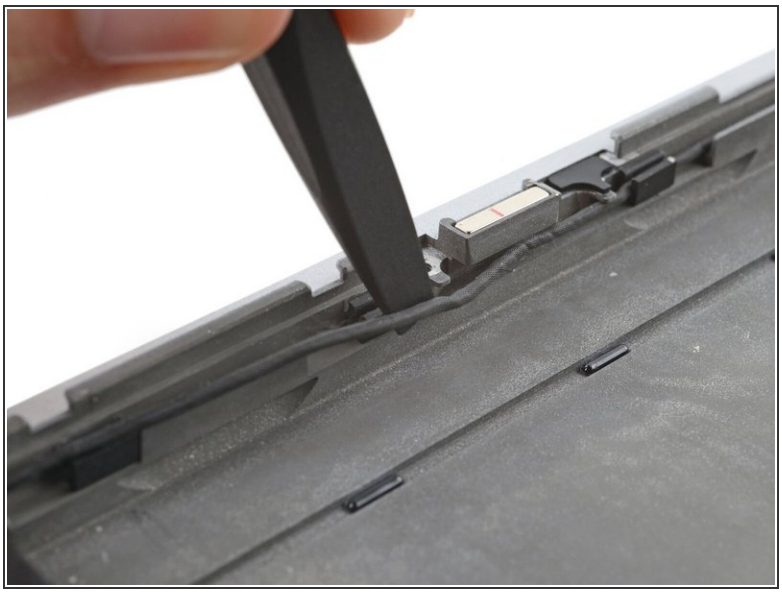


ⓘ The speaker cable is routed along the bottom edge of the laptop. The next three steps will demonstrate how to unclip it.

- Starting at one speaker, use the flat end of a spudger, or your fingers, to lift the speaker cable out of its rubber clips.

Step 15





- Slide the speaker cable out from under its screw hole peg in the frame.

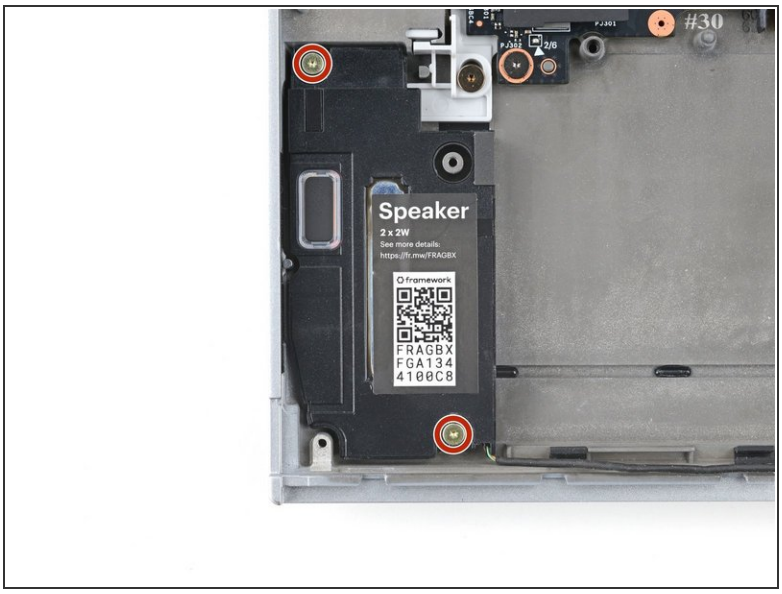
Step 16

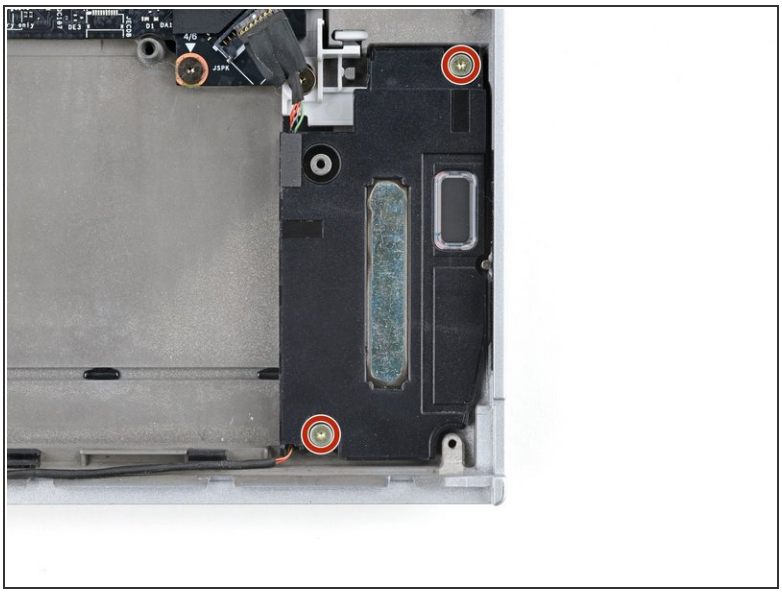




- Repeat the last two steps across the length of the speaker cable until it's completely unclipped.

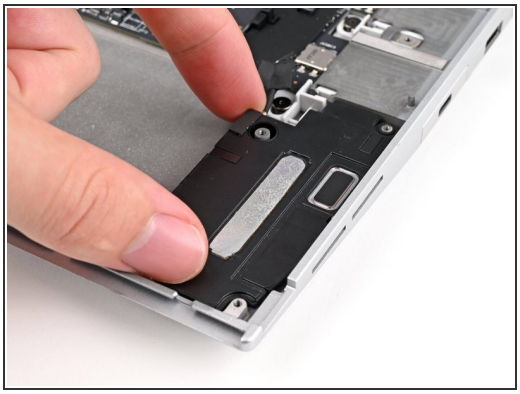
Step 17 — Remove the speaker screws

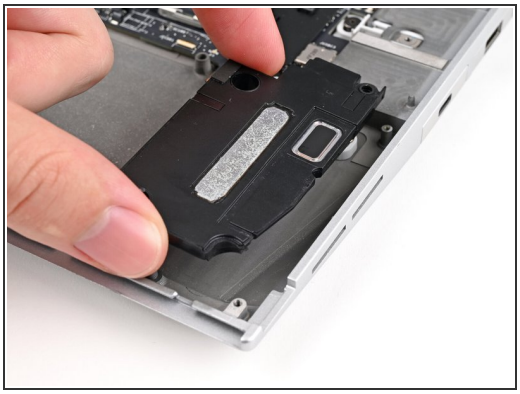




- Use your Framework Screwdriver to remove the two 2.0 mm-long T5 Torx screws securing each speaker (four in total).

Step 18 — Remove the speakers







- Lift the speakers off their alignment pegs and remove them.

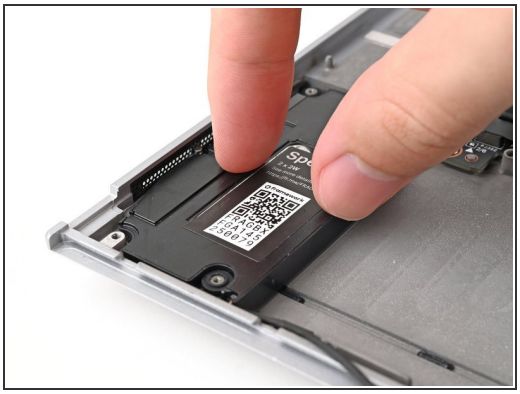
Step 19 — Disassembly complete

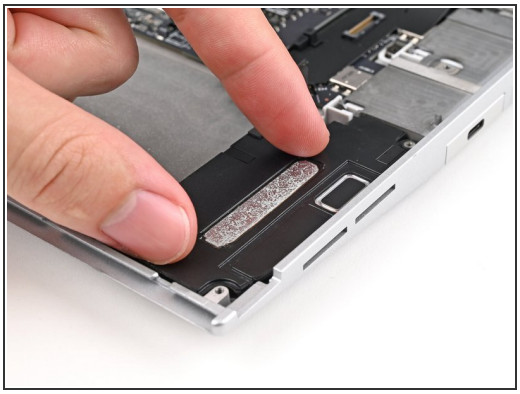


- Congratulations on completing disassembly! **The remaining steps will show how to reassemble your Framework Laptop.**

Step 20 — Place the speakers

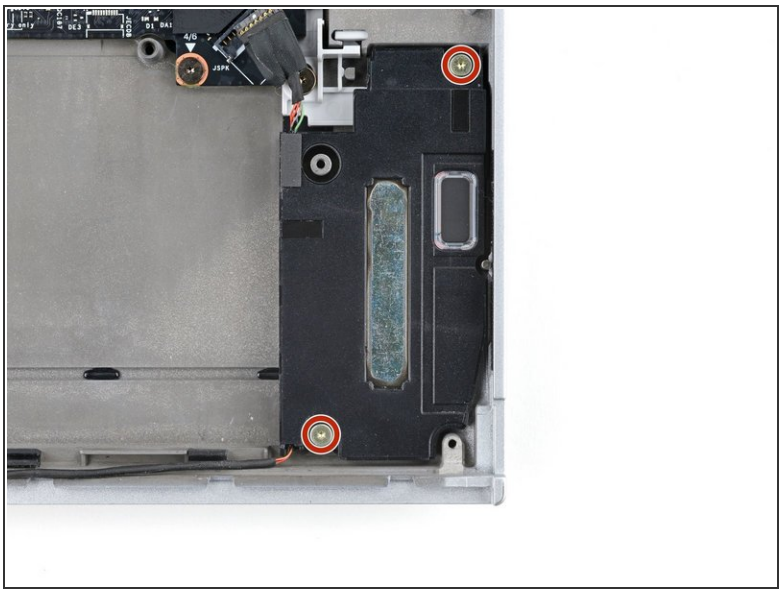


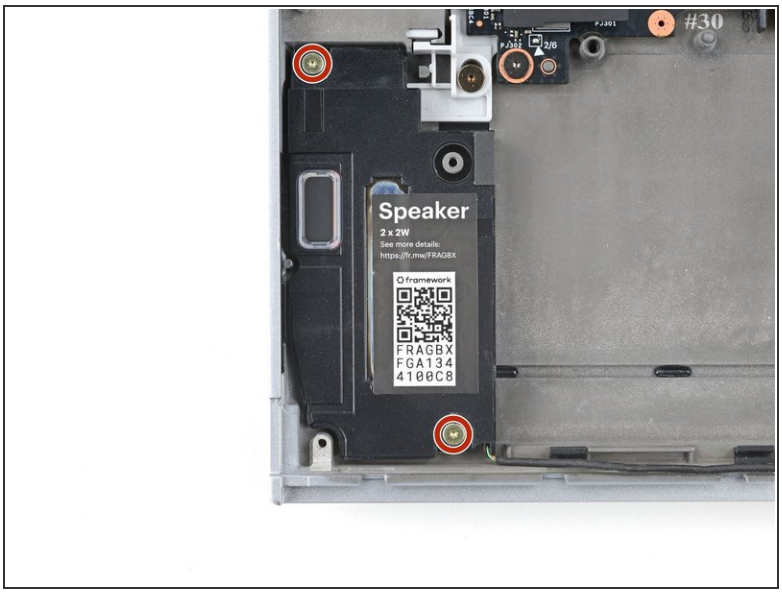




- Align the speakers over their alignment pegs and press them down into place.

Step 21 — Install the speaker screws

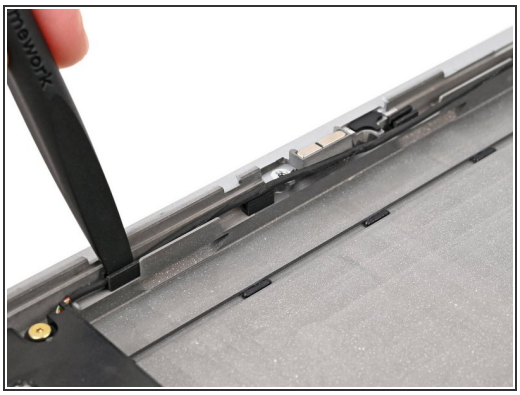




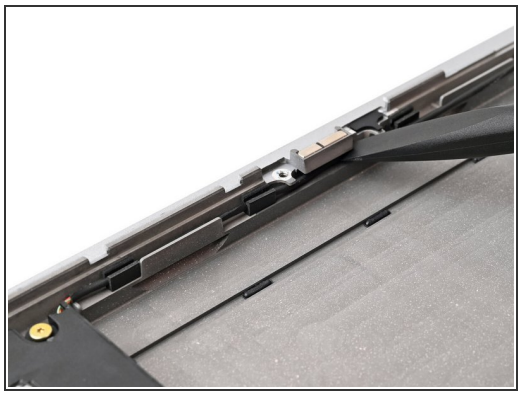
⚠ Be very careful replacing these screws, as it's easy to damage their posts and prevent the screws from fully tightening. Don't overtighten the screws—just tighten them until they're snug.

- Use your Framework Screwdriver to install the two 2.0 mm-long T5 Torx screws securing each speaker (four in total).

Step 22 — Reroute the speaker cable

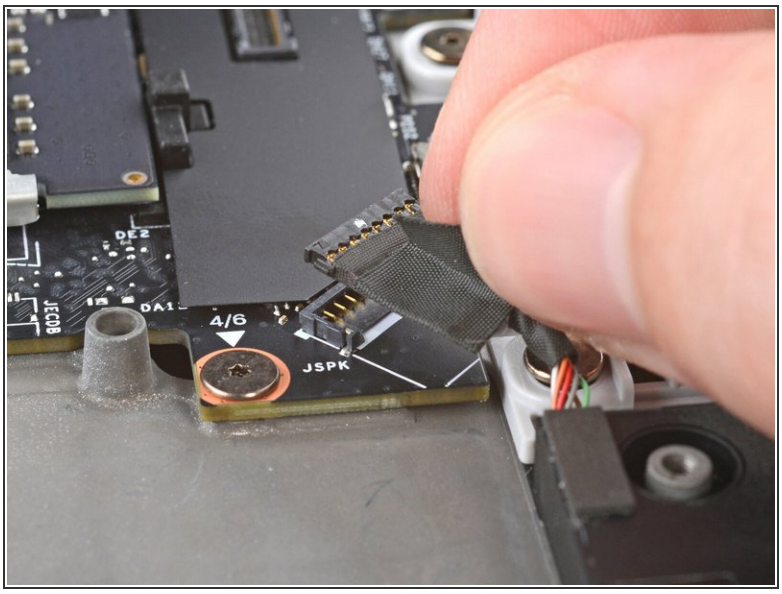


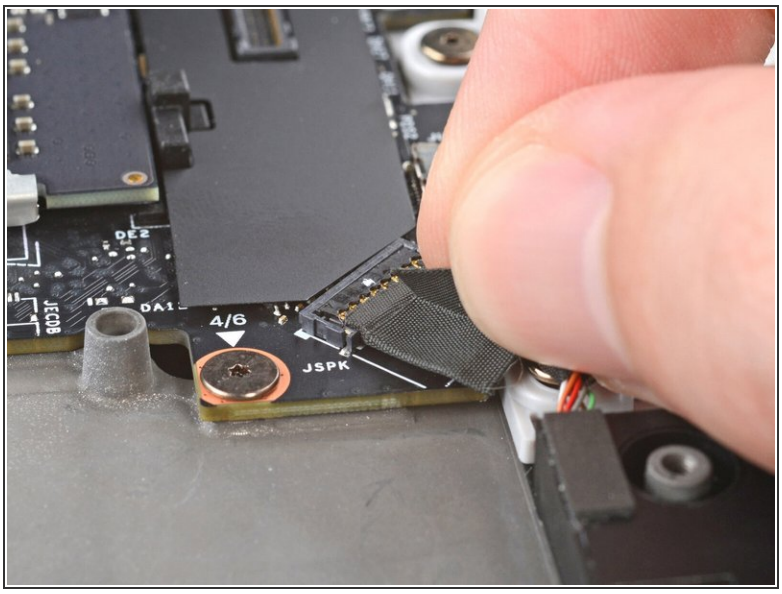




- Use the flat end of your Framework Screwdriver to push the speaker cable back into its clips along the bottom edge of the laptop.

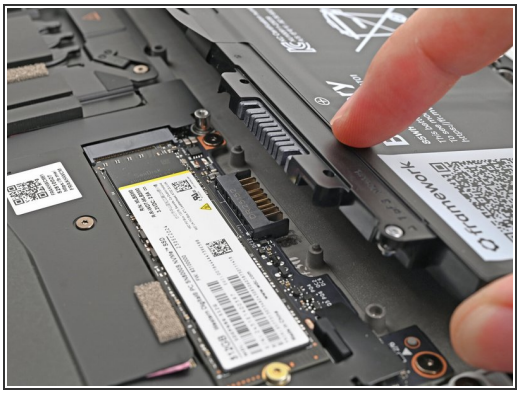
Step 23 — Connect the speaker

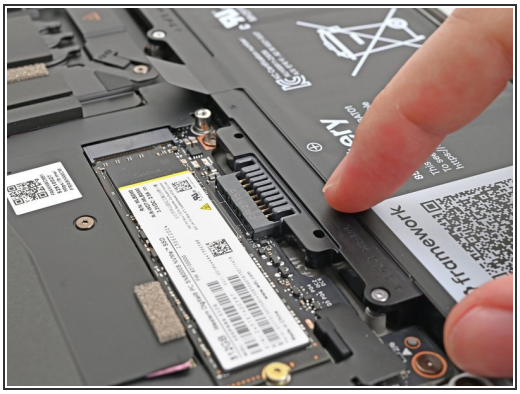


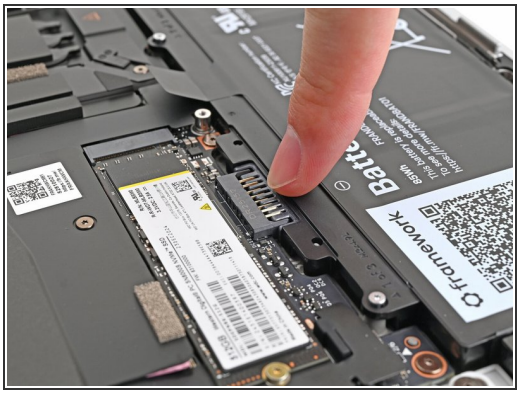


- Press the speaker cable connector onto its socket to connect it.

Step 24 — Install the battery







- Align the battery connector over its socket and lay the battery into its well.
- Lightly press the battery down to connect it.

Step 25 — Tighten the battery screws





- Use your Framework Screwdriver to tighten the three captive T5 Torx screws securing the battery.

Step 26 — Place the Mid Plate

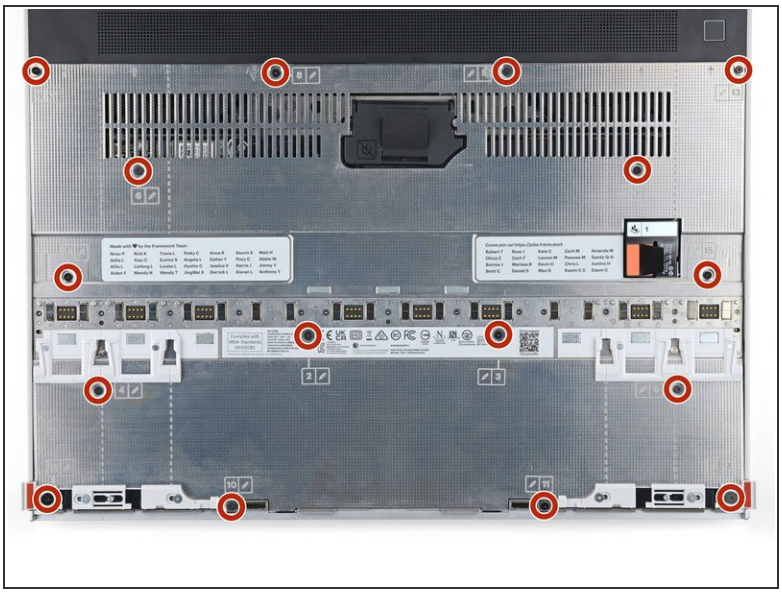


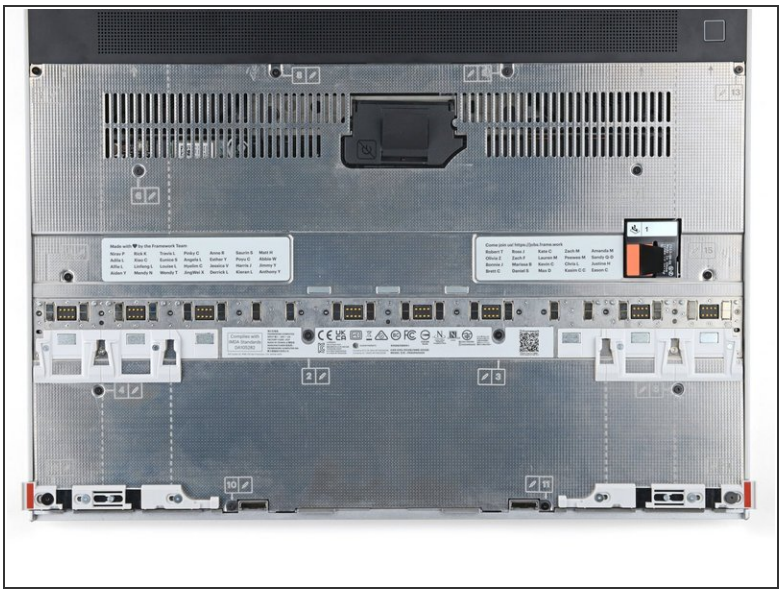




- Place the Mid Plate on the laptop, making sure it sits evenly on its alignment pegs.

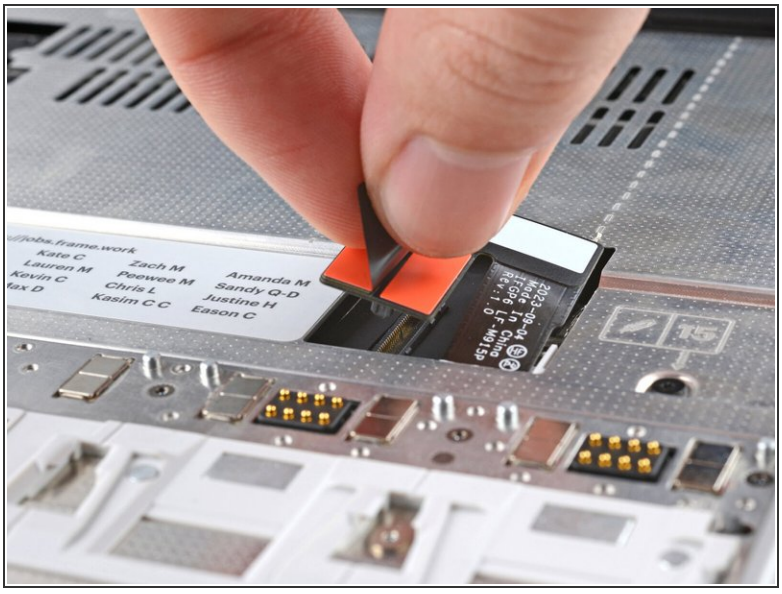
Step 27 — Tighten the Mid Plate screws

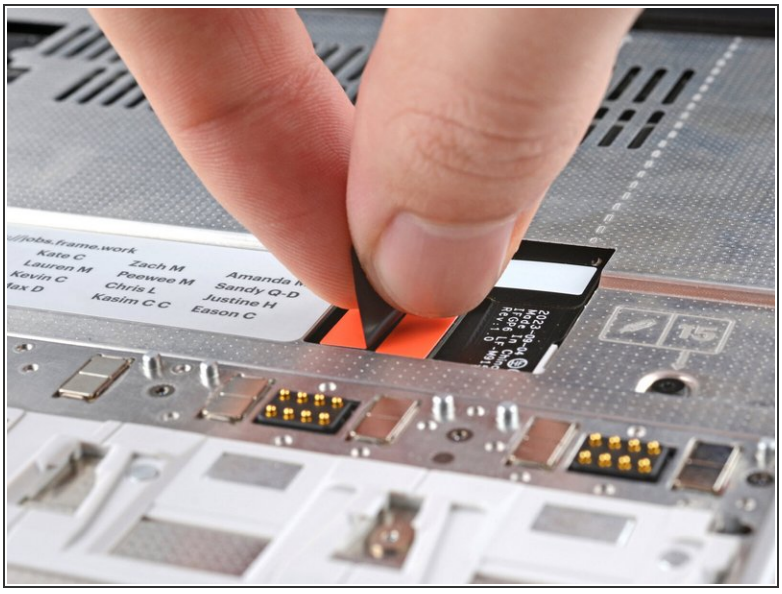




- Use your Framework Screwdriver to tighten the 16 captive T5 Torx screws **in order** (starting with 2) to secure the Mid Plate evenly.

Step 28 — Connect the Mid Plate cable





- Align the Mid Plate cable press connector over its socket and press down to connect it.

Step 29 — Install the Input Modules





ⓘ Your Input Module(s) might be different, but the procedure to remove them is the same.

- Align the top edge of the Input Module with the top edge of the laptop.
- Lay the Input Module on the laptop and let the magnets pull the keyboard into place
  - ⓘ Make sure the Input Module is seated properly on its alignment pegs and sits flush with the edges of the laptop.
- Repeat for any remaining Input Modules.

Step 30 — Install the keyboard





- Align the top edge of the keyboard with the top edge of the laptop.
- Lay the keyboard on the laptop and let the magnets pull the keyboard into place
  - ⓘ Make sure the keyboard is seated properly on its alignment pegs and sits flush with the edges of the laptop.

Step 31 — Install the Touchpad Module




- Place the Touchpad Module flat on its cutout so its clips are properly aligned.
- Press the Touchpad Module down and slide it into place so it lines up evenly with the bottom edge of the laptop.

Step 32 — Install the Touchpad Spacers





- Place the Touchpad Spacer over its spot on the laptop with the bottom edge overhanging slightly.
- Slide the Touchpad Spacer towards the top of the laptop to secure it.
- Repeat the same procedure for the other Touchpad Spacer.

Step 33 — Lock the Input Modules





- Push the Input Module latches back into place to lock them.

Step 34 — Power on and Install the Framework Driver Bundle

- After installing a new Speaker Kit, you will need to reinstall the Framework Driver Bundle from **here**.

⚠ Running the Framework Driver Bundle will properly calibrate the new Speaker Kit in your Framework Laptop 16. We do not recommend skipping this step as one or both of the Speakers may not work without calibration.

You finished fixing your Framework Laptop!

Take your e-waste to an R2 or e-Stewards certified recycler.

If you need help, contact Framework support.